

# Ewing Aerospace Unveils NDAA-Compliant BlueLRS-MAVLink 900 MHz C2 Telemetry System

ASHLAND, OH, UNITED STATES, March 5, 2026 /EINPresswire.com/ -- [Ewing Aerospace](#) today announced the release of its new [BlueLRS-MAV](#) 900 MHz Telemetry Receiver (EA900MRX) and companion transmitter (GCS) platform, delivering 1 W uplink and 1 W downlink Mavlink telemetry in a fully NDAA-compliant architecture. The system is engineered for defense, public safety, and enterprise unmanned aircraft systems (UAS) programs requiring secure, domestically sourced telemetry solutions. BlueUAS approval is currently pending and expected near term.



Designed as a drop-in, high-performance alternative to commercial 900 MHz telemetry modules such as the Matek MR900-30, Ewing Aerospace's BlueLRS-MAV system provides equivalent long-range Mavlink performance while meeting stringent U.S. supply chain and compliance requirements.



Reliable command-and-control is foundational to mission success, our BlueLRS-MAV provides balanced telemetry and is built for programs that require NDAA compliance or are pursuing BlueUAS alignment."

*Tanner Ewing*

## Key Features

- 900–928 MHz ISM Band Operation (U.S.)
- 1 W Uplink / 1 W Downlink Telemetry
- Full Mavlink Compatibility (ArduPilot, PX4, custom GCS platforms)
- NDAA Compliant Architecture
- U.S.-Controlled Supply Chain
- Designed for BlueUAS and DoD Programs
- Optimized for Long-Range, High-Reliability C2 Links

## Compact Form Factor for Airborne Integration

The BlueLRS-MAV system is purpose-built for Group 1–3 UAS platforms, including ISR drones, target drones, logistics platforms, and tactical unmanned aircraft requiring robust telemetry in contested or high-EMI environments.

## Built for Defense and Enterprise Programs

“Reliable command-and-control telemetry is foundational to mission success,” said Tanner Ewing, Founder of Ewing Aerospace. “Our BlueLRS-MAV system delivers 1 watt in both directions, providing balanced telemetry performance without relying on foreign-restricted components. For programs that require NDAA compliance and are pursuing BlueUAS alignment, this is a purpose-built solution.”

Unlike consumer-market telemetry modules, BlueLRS-MAV is engineered specifically for:

- U.S. Department of Defense programs
- Federal, state, and local public safety agencies
- BlueUAS-aligned OEM integrators
- Enterprise drone manufacturers seeking compliant telemetry

The architecture supports secure integration into UAS platforms operating in regulated environments where supply chain transparency and documentation are mandatory.

## Technical Overview

The EA900MRX telemetry receiver and companion transmitter are designed to support:

- High-reliability Mavlink data throughput
- Configurable air data rates and link parameters
- Low-latency telemetry streaming
- Long-range line-of-sight operations
- Direct integration with ArduPilot-based flight controllers

Comprehensive documentation is available through Ewing Aerospace’s product documentation portal, including full specifications and integration guidance.

## Availability

The BlueLRS-MAV 900 MHz telemetry system is available now for OEM evaluation and integration. Production quantities are available for defense and enterprise customers. BlueUAS approval is pending.

For technical documentation and integration guidance, visit:

[docs.ewingaerospace.com](https://docs.ewingaerospace.com)

For procurement inquiries or OEM integration support, contact:

[sales@ewingaerospace.com](mailto:sales@ewingaerospace.com)

## About Ewing Aerospace

Ewing Aerospace is a U.S.-based unmanned systems manufacturer focused on NDAA-compliant electronics, telemetry systems, and integrated UAS platforms. The company supports defense, public safety, and enterprise customers with domestically engineered and manufactured solutions designed for secure deployment in regulated environments.

Media Contact:

Ewing Aerospace

[press@ewingaerospace.com](mailto:press@ewingaerospace.com)

[www.ewingaerospace.com](https://www.ewingaerospace.com)

Tanner Ewing

Ewing Aerospace

[email us here](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/897500196>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.